

ABSTRACT

A light source device for illuminating microdisplay devices, e.g. a DMD, LCOS, LCD, GLV, etc, comprises a housing having a specularly and/or diffusely light reflective interior surface and an exit aperture adapted to the shape and size of the microdisplay device, wherein the housing defines a cavity, at least one light emitting device mounted on or in wall(s) of the housing, for emitting light into the cavity, electrical power supply unit(s) and control electronic unit(s) for controlling the light emitting device(s). The device may also comprise an optical component in the cavity, e.g. a lens in the light path for obtaining even more output efficiency of the device.